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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=11; day=6; hr=10; min=30; sec=27; ms=512; ]

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Application No: 10540845

Version No: 2.0

Input Set:

Output Set:

Started: 2008-10-10 14:28:12.765

Finished: 2008-10-10 14:28:15.250

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 485 ms

Total Warnings: 19

Total Errors: 0

No. of SeqIDs Defined: 44

Actual SeqID Count: 44

Error code	Error Description
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# SEQUENCE LISTING

<110> Bienkowska, Jadwiga  
Mcallister, Gregg

<120> Novel Preadipocyte Factor-1-Like Polypeptides

<130> ARS.113

<140> 10540845

<141> 2006-01-26

<150> US 60/436,815

<151> 2002-12-27

<160> 44

<170> PatentIn version 3.3

<210> 1

<211> 1663

<212> DNA

<213> homo sapiens

<220>

<221> CDS

<222> (122)..(1180)

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c atg ccc agc ggc tgc cgc tgc ctg cat ctc gtg tgc ctg ttg tgc att 169

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile

1 5 10 15

ctg ggg gct ccc ggt cag cct gtc cga gcc gat gac tgc agc tcc cac 217

Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His

20 25 30

tgt gac ctg gcc cac ggc tgc tgt gca cct gac ggc tcc tgc agg tgt 265

Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys

35 40 45

gac ccg ggc tgg gag ggg ctg cac tgt gag cgc tgt gtg agg atg cct 313

Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro

50 55 60

ggc tgc cag cac ggt acc tgc cac cag cca tgg cag tgc atc tgc cac 361

Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His

65 70 75 80

agt ggc tgg gca ggc aag ttc tgt gac aaa ggc ttc cat ggg cgt gac 409

Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Gly Phe His Gly Arg Asp

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tgc gag cgc aag gct gga ccc tgt gaa cag gca ggc tcc cca tgc cgc			457
Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg			
100	105	110	
aat ggc ggg cag tgc cag gac gac cag ggc ttt gct ctc aac ttc acg			505
Asn Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr			
115	120	125	
tgc cgc tgc ttg gtg ggc ttt gtg ggt gcc cgc tgt gag gta aat gtg			553
Cys Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val			
130	135	140	
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Asp Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp			
145	150	155	160
ggc ata aac cgc ttc tcc tgc ctc tgt cct gag ggc ttt gct gga cgc			649
Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg			
165	170	175	
ttc tgc acc atc aac ctg gat gac tgt gcc agc cgc cca tgc cag aga			697
Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg			
180	185	190	
ggg gcc cgc tgt cgg gac cgt gtc cac gac ttc gac tgc ctc tgc ccc			745
Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro			
195	200	205	
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Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp			
210	215	220	
ccc cca acc aca gtg gac acc cct cta ggg ccc acc tca gct gta gtg			841
Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val			
225	230	235	240
gta cct gcc acg ggg cca gcc ccc cac agc gca ggg gct ggt ctg ctg			889
Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu			
245	250	255	
cgg atc tca gtg aag gag gtg gtg cgg agg caa gag gct ggg cta ggt			937
Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly			
260	265	270	
gag cct agc ttg gtg gcc ctg gtg gtg ttt ggg gcc ctc act gct gcc			985
Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala			
275	280	285	
ctg gtt ctg gct act gtg ttg ctg acc ctg agg gcc tgg cgc cgg ggt			1033
Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly			
290	295	300	
gtc tgc ccc cct gga ccc tgt tgc tac cct gcc cca cac tat gct cca			1081
Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro			
305	310	315	320

gcg tgc cag gac cag gag tgt cag gtt agc atg ctg cca gca ggg etc 1129  
 Ala Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu  
 325 330 335  
  
 ccc ctg cca cgt gac ttg ccc cct gag cct gga aag acc aca gca ctg 1177  
 Pro Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu  
 340 345 350  
  
 tga tggaggtggg ggctttctgg ccccttctc cactcttcc accctcaga 1230  
  
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 ctcacaccag aaatattatt tttttaatac acagaatgta agatggaatt ttatcaaata 1350  
  
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 <212> PRT  
 <213> homo sapiens

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 Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys  
 35 40 45  
  
 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro  
 50 55 60  
  
 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His  
 65 70 75 80  
  
 Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Gly Phe His Gly Arg Asp  
 85 90 95  
  
 Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg  
 100 105 110  
  
 Asn Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr

115		120		125
Cys Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val				
130		135		140
Asp Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp				
145		150		155 160
Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg				
	165		170	175
Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg				
	180		185	190
Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro				
	195		200	205
Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp				
	210		215	220
Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val				
	225		230	235 240
Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu				
	245		250	255
Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly				
	260		265	270
Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala				
	275		280	285
Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly				
	290		295	300
Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro				
	305		310	315 320
Ala Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu				
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Pro Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu				
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His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys Asp Pro Gly Trp				
	20		25	30

Glu	Gly	Leu	His	Cys	Glu	Arg	Cys	Val	Arg	Met	Pro	Gly	Cys	Gln	His	35	40	45
Gly	Thr	Cys	His	Gln	Pro	Trp	Gln	Cys	Ile	Cys	His	Ser	Gly	Trp	Ala	50	55	60
Gly	Lys	Phe	Cys	Asp	Lys	Gly	Phe	His	Gly	Arg	Asp	Cys	Glu	Arg	Lys	65	70	75
Ala	Gly	Pro	Cys	Glu	Gln	Ala	Gly	Ser	Pro	Cys	Arg	Asn	Gly	Gly	Gln	85	90	95
Cys	Gln	Asp	Asp	Gln	Gly	Phe	Ala	Leu	Asn	Phe	Thr	Cys	Arg	Cys	Leu	100	105	110
Val	Gly	Phe	Val	Gly	Ala	Arg	Cys	Glu	Val	Asn	Val	Asp	Asp	Cys	Leu	115	120	125
Met	Arg	Pro	Cys	Ala	Asn	Gly	Ala	Thr	Cys	Leu	Asp	Gly	Ile	Asn	Arg	130	135	140
Phe	Ser	Cys	Leu	Cys	Pro	Glu	Gly	Phe	Ala	Gly	Arg	Phe	Cys	Thr	Ile	145	150	155
Asn	Leu	Asp	Asp	Cys	Ala	Ser	Arg	Pro	Cys	Gln	Arg	Gly	Ala	Arg	Cys	165	170	175
Arg	Asp	Arg	Val	His	Asp	Phe	Asp	Cys	Leu	Cys	Pro	Ser	Gly	Tyr	Gly	180	185	190
Gly	Lys	Thr	Cys	Glu	Leu	Val	Leu	Pro	Val	Pro	Asp	Pro	Pro	Thr	Thr	195	200	205
Val	Asp	Thr	Pro	Leu	Gly	Pro	Thr	Ser	Ala	Val	Val	Val	Pro	Ala	Thr	210	215	220
Gly	Pro	Ala	Pro	His	Ser	Ala	Gly	Ala	Gly	Leu	Leu	Arg	Ile	Ser	Val	225	230	235
Lys	Glu	Val	Val	Arg	Arg	Gln	Glu	Ala	Gly	Leu	Gly	Glu	Pro	Ser	Leu	245	250	255
Val	Ala	Leu	Val	Val	Phe	Gly	Ala	Leu	Thr	Ala	Ala	Leu	Val	Leu	Ala	260	265	270
Thr	Val	Leu	Leu	Thr	Leu	Arg	Ala	Trp	Arg	Arg	Gly	Val	Cys	Pro	Pro	275	280	285
Gly	Pro	Cys	Cys	Tyr	Pro	Ala	Pro	His	Tyr	Ala	Pro	Ala	Cys	Gln	Asp	290	295	300
Gln	Glu	Cys	Gln	Val	Ser	Met	Leu	Pro	Ala	Gly	Leu	Pro	Leu	Pro	Arg	305	310	315
Asp	Leu	Pro	Pro	Glu	Pro	Gly	Lys	Thr	Thr	Ala	Leu					325	330	



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<212> PRT  
<213> homo sapiens

<400> 4

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Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His  
20 25 30

Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys  
35 40 45

Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro  
50 55 60

Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His  
65 70 75 80

Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Gly Phe His Gly Arg Asp  
85 90 95

Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg  
100 105 110

Asn Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr  
115 120 125

Cys Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val  
130 135 140

Asp Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp  
145 150 155 160

Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg  
165 170 175

Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg  
180 185 190

Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro  
195 200 205

Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp  
210 215 220

Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val  
225 230 235 240

Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu  
245 250 255

Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly  
260 265 270

Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala  
275 280 285

Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly  
290 295 300

Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro  
305 310 315 320

Ala Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu  
325 330 335

Pro Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu  
340 345 350

His His His His His His  
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<212> PRT  
<213> homo sapiens

<400> 5

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Cys His Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile  
20 25 30

Cys Thr Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp  
35 40 45

Gly Gly Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg  
50 55 60

Asp Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys  
65 70 75 80

Arg Asn Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe  
85 90 95

Thr Cys Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn  
100 105 110

Val Asp Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu  
115 120 125

Asp Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly  
130 135 140

Arg Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln

145		150		155		160
Arg Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys						
	165		170		175	
Pro Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro						
	180		185		190	
Asp Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val						
	195		200		205	
Val Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu						
	210		215		220	
Leu Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu						
225		230		235		240
Gly Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala						
	245		250		255	
Ala Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg						
	260		265		270	
Gly Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala						
	275		280		285	
Pro Ala Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly						
	290		295			